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Article 19*
Claims.

1. Pneumatic power nut runner comprising a rotation motor, a pressure air inlet valve (12) for controlling the pressure air supply to the motor, a drive train connecting the motor to an output shaft and including a torque responsive release clutch (10) as well as a disengageable torque non-responsive clutch (11), said release clutch (10) comprises a driving clutch half (20) and a driven clutch half (25), and the torque non-responsive clutch (10) comprises an axially immovable clutch half (26) and an axially displaceable clutch half (39), an inlet valve (12) shifting mechanism (13) including a latch element (49) which is movably supported on either one of said driving and driven release clutch halves (20,25) for displacement in a direction transverse to the rotation axis of the clutch (10) upon relative release movement between said driving and the driven release clutch halves (20,25) and which forms a support for maintaining the inlet valve (12) in an open position before release of the release clutch (10) and for freeing the inlet valve (12) for movement toward a closed position at release of the release clutch (10),

c h a r a c t e r i z e d i n t h a t

a first cam means (50) is arranged between either one of said driving and driven release clutch halves (20,25) and the latch element (49) for accomplishing said transverse displacement of the latch element (49), and
a second cam means (55,56) is arranged between the latch element (49) and the axially displaceable clutch half (39) of the torque non-responsive clutch (11) for accomplishing disengagement of the torque non-responsive clutch (11) at release of the release clutch (10) and a consequent transverse displacement of the latch element (49).

2. Power nut runner according to claim 1, wherein said second cam means (55,56) comprises an inclined surface

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(55) on the latch element (49) and a contact portion (56) on said axially displaceable clutch half (39) of the torque non-responsive clutch (11).

3. Power nut runner according to claim 1 or 2, wherein a spring (46) is arranged to exert a bias force on said axially displaceable clutch half (39) of the torque non-responsive clutch (11) in a direction towards the latch element (49), whereby both of said first cam means (50) and said second cam means (55,56) are maintained in co-operative engagement.

4. Power nut runner according to anyone of claims 1-3, wherein the driven clutch half (25) of the torque responsive release clutch (10) is formed integral with said axially immovable clutch half (26) of the torque non-responsive clutch (11).